

M 4.0, 5 km NNW of Nordheim, Texas

Origin Time: 2023-10-09 13:59:24 UTC (Mon 08:59:24 local)
Location: 28.8518° N 97.6051° W Depth: 5.0 km

PAGER Version 5

Created: 6 days, 7 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

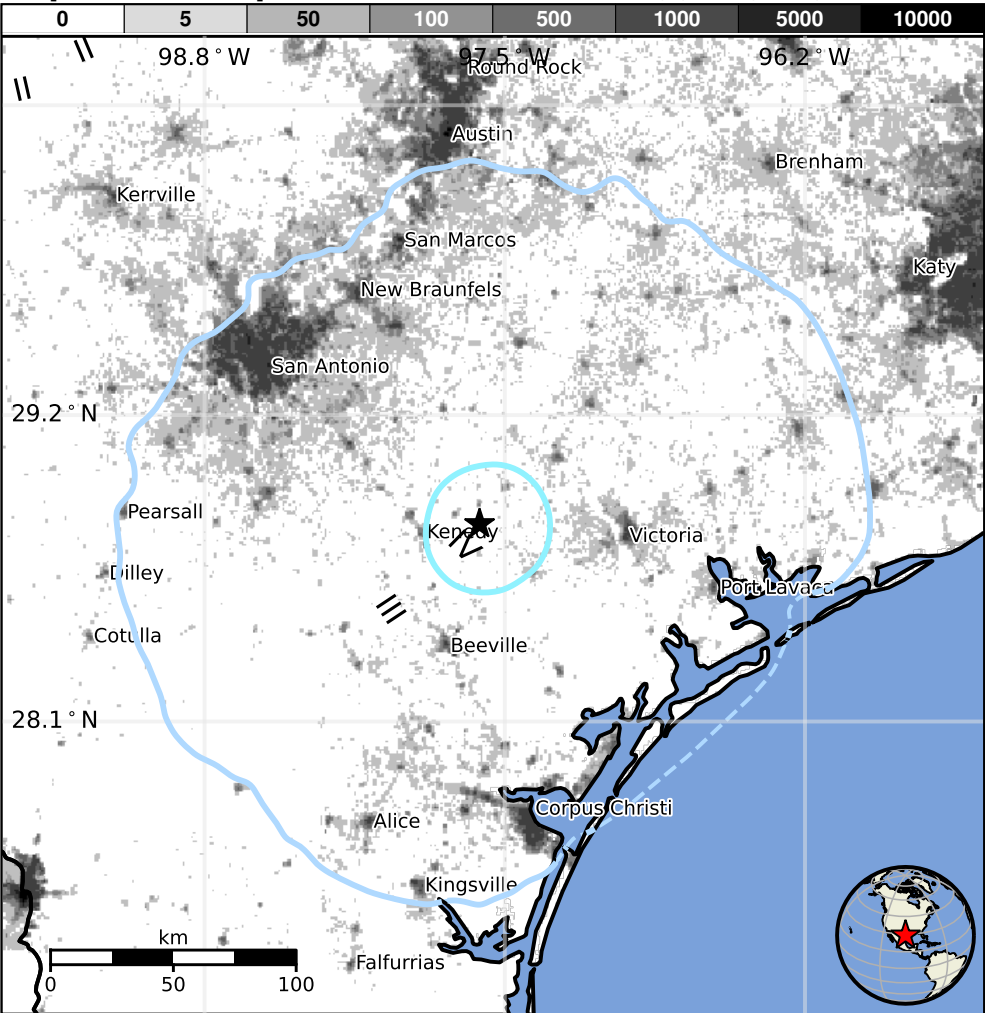


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	9,427k	10k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Runge	1k
IV	Yorktown	2k
III	Kenedy	3k
III	Goliad	2k
III	Karnes City	3k
III	Cuero	7k
III	San Antonio	1,327k
III	Corpus Christi	305k
II	Austin	790k
II	Nuevo Laredo	350k
II	Laredo	236k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/tx2023tumb#pager>

bold cities appear on map.

(k = x1000)

Event ID: tx2023tumb